

## SEMINAR ANNOUNCEMENT

29<sup>th</sup> November 2016, h 17:15

ETH Zurich, ISTP

Room: UNO B 11, Universitätstrasse 41, Zurich

**Prof. Dr. Ashish Sharma**

*School of Civil and Environmental Engineering, University of new South Wales, Sydney, Australia*

### **PLANNING FOR SUSTAINED HYDROLOGICAL ANOMALIES IN A WARMING CLIMATE. AN AUSTRALIAN PERSPECTIVE**

Sustained hydrological anomalies - be they droughts or long periods of flooding - cause havoc worldwide. It is expected that the damage from such anomalous events will increase manifold in coming years, as the climate warms, storms intensify, and world populations migrate to floodplains in search of jobs and better livelihoods. This talk presents an Australian perspective on flooding and drought, outlining recent changes to methodologies for designing against floods, and quantifying droughts for a warmer climate.

**Professor Ashish Sharma** is Professor and Future Fellow (ARC) in the School of Civil and Environmental Engineering of the University of New South Wales, Sydney, Australia. He is engaged with research projects on finding ways of meaningfully assessing impact of climate change on hydrology and water resources, assessing (and reducing) modelling uncertainty, estimating design floods, issuing seasonal forecasts for water resources management, developing models to simulate both hydrology and ecology in an increasingly warming world, using statistical analysis and methods for a range of hydrologic problems.

<https://www.engineering.unsw.edu.au/civil-engineering/staff/ashish-sharma>

<http://www.hydrology.unsw.edu.au>